

CLAIMS

1. A method, comprising:

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accessing an electronic portal that collects and provides ergonomic tool data to a user of said portal; and

compiling ergonomic data based on physical input provided by said user to said electronic portal in order to generate ergonomic tool data to said user based on said physical input.

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2. The method of claim 1 further comprising:

generating a three-dimensional interactive graphic for display on a display screen for said user;

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prompting said user to interact with said three-dimensional interactive graphic utilizing a user input device; and

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collecting ergonomic data from said user based on input provided by user through said user input device in association with said three-dimensional graphic displayed on said display screen for said user.

3. The method of claim 2 wherein said user input device comprises a motion detector configured with a plurality of pressure and weight sensor.

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4. The method of claim 1 further comprising generating specific ergonomic data in response to compiling ergonomic data based on physical input provided by said user to said electronic portal in order to generate ergonomic tool data to

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said user based on said physical input.

5. The method of claim 4 wherein said specific ergonomic data comprises a plurality of output variables representative of weight, twist, grasp, pull, push and
5 motor skills of said user.

6. The method of claim 4 further comprising analyzing and comparing said specific ergonomic data to data maintained within a database to thereby provide particular tool data matching said specific ergonomic data associated with said
10 user.

7. The method of claim 1 further comprising generating a plurality of risk factors for said user based on an analysis ergonomic data compiled based on physical input provided by said user to said electronic portal in order to generate
15 ergonomic tool data to said user based on said physical input.

8. The method of claim 7 wherein said plurality of risk factors comprise at least one of the following risk factors:

20 a high risk factor, wherein ergonomic injury is likely to said user;

a medium risk factor, wherein on a short term basis, a substantial risk to said user is unlikely to occur;

25 a limited risk factor, wherein said user faces a highly unlikely risk of injury; and

wherein said plurality of risk facts are graphically represented for said user on a display screen as a graphical representation of a human body.

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9. The method of claim 1 further comprising associating a search engine with said electronic portal, wherein said search engine is accessible by said user through said electronic portal to automatically identify tool data that are potentially ergonomically appropriate for said user, based on said ergonomic data compiled based on physical input provided by said user.

10. A system, comprising:

an electronic portal that collects and provides ergonomic tool data to a user of said portal; and

a compilation module for compiling ergonomic data based on physical input provided by said user to said electronic portal in order to generate ergonomic tool data to said user based on said physical input.

11. The system of claim 10 further comprising:

a prompting module for prompting said user to interact with said three-dimensional interactive graphic displayed on a display for said user utilizing user input device; and

a collection module for collecting ergonomic data from said user based on input provided by user through said user input device in association with said three-dimensional graphic displayed on said display screen for said user.

12. The system of claim 11 wherein said user input device comprises a motion detector configured with a plurality of pressure and weight sensor.

13. The system of claim 10 wherein specific ergonomic data is generated in response to compiling ergonomic data based on physical input provided by said

user to said electronic portal in order to generate ergonomic tool data to said user based on said physical input.

14. The system of claim 13 wherein said specific ergonomic data comprises
5 a plurality of output variables representative of weight, twist, grasp, pull, push and motor skills of said user.

15. The system of claim 13 further comprising an analysis module for
analyzing and comparing said specific ergonomic data to data maintained within
10 a database to thereby provide particular tool data matching said specific ergonomic data associated with said user.

16. The system of claim 10 further comprising a generating module for
generating a plurality of risk factors for said user based on an analysis
15 ergonomic data compiled based on physical input provided by said user to said electronic portal in order to generate ergonomic tool data to said user based on said physical input.

18. The system of claim 16 wherein said plurality of risk factors comprise at
20 least one of the following risk factors:

a high risk factor, wherein ergonomic injury is likely to said user;

a medium risk factor, wherein on a short term basis, a substantial risk to
25 said user is unlikely;

a limited risk factor, wherein said user faces a highly unlikely risk of
injury; and

30 wherein said plurality of risk factors is graphically represented on a

display screen for said user upon a graphical representation of a human body.

19. The system of claim 10 further comprising a search engine associated with said electronic portal, wherein said search engine is accessible by said user through said electronic portal to automatically identify tool data that are potentially ergonomically appropriate for said user, based on said ergonomic data compiled based on physical input provided by said user.

20. A system, comprising:

an electronic portal that collects and provides ergonomic tool data to a user of said portal, wherein said electronic portal can be displayed graphically on a display screen for said user;

a user input device, wherein said user is prompted via said display screen to interact with said three-dimensional interactive graphic utilizing said user input device;

a compilation module for compiling ergonomic data based on physical input provided by said user to said electronic portal through a user input device in order to generate ergonomic tool data to said user based on said physical input, wherein said specific ergonomic data comprises a plurality of output variables representative of weight, twist, grasp, pull, push and motor skills of said user;

an analysis module for analyzing and comparing said specific ergonomic data to data maintained within a database to thereby provide particular tool data matching said specific ergonomic data associated with said user; and

a generating module for automatically generating a plurality of risk factors

for said user based on an analysis ergonomic data compiled in response to physical input provided by said user to said electronic portal via said user input device in order to generate ergonomic tool data to said user based on said physical input.